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CLAIMS

Applicant hereby confirms that claims 1-39 have been canceled without prejudice or disclaimer as to the subject matter thereof and claims 40-42 stand pending.

1.-39. (canceled)

40. (currently amended) An implantable medical device comprising:
an input adapted to receive a blood flow signal representing a velocity of
blood flowing through a coronary sinus of a patient's heart;
an input adapted to receive a sensed signal representing electrical activity
within the patient's heart;
alarm circuitry operatively coupled to the blood flow signal and the sensed
signal; and
a microcomputer circuit configured to activate the alarm circuitry as a
function of the blood flow signal and the sensed electrical activity
signal.

41. (currently amended) The device of claim 40, wherein the microcomputer
circuit is configured to compute ~~the~~ a mathematical integral of at least one of the
blood flow signal and the sensed electrical activity signal.

42. (original) The device of claim 41 further including a digital controller/timer
circuit configurable by the microcomputer circuit to output pacing stimuli as a
function of the blood flow signal and the sensed electrical activity signal.